

(c) an arm member having spaced apart inner and outer ends and at said inner end being pivotally mounted to said main frame [adjacent] at a location spaced above said support member and closer to said upper end than to said lower end [there]of said main frame so as to undergo pivotal movement relative to said main frame, said arm member extending outwardly from said main frame to said outer end of said arm member through a second distance substantially greater than said first distance of said support member;

(d) a tine mounting member mounted to said outer end of said arm member by a pivotal connection therewith so as to undergo pivotal movement relative to and independently of said arm member;

(e) at least one tine having inner and outer ends and a substantially curved configuration [and], said tine being mounted at said inner end to said tine mounting member at a location spaced outwardly from said outer end of said arm member and disposed adjacent to and extending outwardly from a first side of said pivotal connection of said tine mounting member to said arm member, said tine extending outwardly and downwardly from said tine mounting member to said outer end of said tine and being movable with said tine mounting member such that said tine can be positioned at a location spaced forwardly from said support member so as to enable said support member and said outer end of said tine together to grasp and support an object located therebetween for relocating the object upon maneuvering of said apparatus by operation of the material handling vehicle without said support member having to extend sufficiently under the object to alone support the object without assistance from said tine;

(f) means for respectively pivotally moving said arm member and said tine mounting member therewith relative to said main frame and said support member mounted thereto and for pivotally moving said tine mounting member and said tine therewith relative to said arm member and said main frame and said support member mounted thereto through respective first and second arcuate paths toward and away from said main frame and said support member [and an

Qn object between said tine and support member] mounted thereto such that said [tine and] support member and said outer end of said tine together may be brought into engagement with and thereby together grasp and support the object at spaced rearward and forward locations thereon for relocating the object upon maneuvering of said apparatus by operation of the material handling vehicle, said pivotally moving means being located between said main frame and said pivotal connection of said tine mounting member to said arm member and disposed adjacent to a second side of said pivotal connection of said tine mounting member to said arm member being substantially opposite from said first side of said pivotal connection where said tine is located.

[Please rewrite Claim 4 as follows:

Q10 4. (amended) The apparatus of claim 1 wherein said pivotally moving means includes a main actuation mechanism pivotally mounted to said main frame and to said arm member and being extendable and retractable to pivotally move said arm member and tine[s] mounting member therewith vertically through said first arcuate path relative to said main frame and said support member mounted thereto and toward and away from said main frame and said support member [and an object disposed between said arm member and support member].

[Please rewrite Claim 6 as follows:

Q11 6. (amended) The apparatus of claim 1 wherein said pivotally moving means includes an auxiliary actuation mechanism pivotally mounted to said arm member and to said tine mounting member and being located between said main frame and said pivotal connection of said tine mounting member to said support arm and adjacent to said second side of said pivotal connection substantially opposite from said first side of said pivotal connection where said tine is located, said auxiliary actuation mechanism being extendable and retractable to pivotally move said tine mounting member and tine[s] therewith vertically through said second arcuate path relative to

Q11 said arm member and said main frame and said support member mounted thereto and toward and away from said main frame and said support member [and the object between said tines and support member].

[Please rewrite Claim 11 as follows:

11. (amended) The apparatus of claim 1 [further comprising:] wherein said means for attaching said main frame to the material handling vehicle includes a pair of upper and lower coupling members, said lower coupling member being fixedly mounted to said main frame at a location slightly higher than and on an opposite side of said main frame from said support member, said upper coupling member being spaced above said lower coupling member and fixedly mounted to said main frame at a location between and spaced from said lower and upper ends of said main frame, said upper and lower coupling members being adapted for attaching said apparatus to a lift mechanism of the material handling vehicle.

Q12 [Please rewrite Claim 12 as follows:

12. (amended) An apparatus for grasping odd-shaped objects to relocate the same, comprising:

(a) an elongated upright main frame having opposite upper and lower ends, said main frame [being attachable] having means for attaching said main frame to a material handling vehicle for maneuvering said main frame between different heights and locations by operation of the material handling vehicle;

(b) a support member mounted to said main frame adjacent to said lower end thereof[, said support member] and being adapted for engaging an edge of an object, said support member extending outwardly from said lower end of said main frame through a first distance;

(c) an arm member having spaced apart inner and outer ends and at said inner end being pivotally mounted to said main frame at a location spaced above said support member and closer to said upper end than to said lower end of said main frame so as to undergo pivotal movement relative to said main frame, said arm

member extending outwardly from said main frame to said outer end of said arm member through a second distance substantially greater than said first distance of said support member, said arm member being formed by a pair of elongated rigid links laterally spaced apart from one another;

(d) a tine mounting member mounted to said outer end of said arm member by a pivotal connection therewith so as to undergo pivotal movement relative to and independently of said arm member;

(e) a [pair of] tine[s spaced apart from one another and each] structure having inner and outer ends and a substantially curved configuration [and], said tine structure being mounted at said inner end thereof to said tine mounting member at a location spaced outwardly from said outer end of said arm member and disposed adjacent to and extending outwardly from a first side of said pivotal connection of said tine mounting member to said arm member, said tine structure extending outwardly and downwardly from said tine mounting member to said outer end of said tine structure and being movable with said tine mounting member such that said tine structure can be positioned at a location spaced forwardly from said support member so as to enable said support member and said outer end of said tine structure together to grasp and support an object located therebetween for relocating the object upon maneuvering of said apparatus by operation of the material handling vehicle without said support member having to extend sufficiently under the object to alone support the object without assistance from said tine structure;

(f) a main actuation mechanism disposed above said links of said arm member and being pivotally mounted to said main frame and to said arm member and being extendable and retractable to pivotally move said arm member and tine[s] mounting member therewith vertically through a first arcuate path relative to said main frame toward and away from said main frame and said support member [and an object disposed between said arm member and support member] mounted thereto; and

(g) an auxiliary actuation mechanism disposed below said main

actuation mechanism and substantially between said links of said arm member and being pivotally mounted to said arm member and to said tine mounting member and located between said main frame and said pivotal connection of said tine mounting member to said support arm and adjacent to a second side of said pivotal connection substantially opposite from said first side of said pivotal connection where said tine structure is located, said auxiliary actuation mechanism being extendable and retractable to pivotally move said tine mounting member and tine[s] structure therewith vertically through a second arcuate path relative to said arm member toward and away from said main frame and said support member [and the object between said tines and support member] mounted thereto such that said main and auxiliary actuation mechanisms may be operated to cause and control pivotal movement of said arm member in relation to said main frame and pivotal movement of said tine mounting member and therewith said tine[s] structure in relation to said arm member such that said apparatus when attached to the material handling vehicle is maneuverable by operation of the material handling vehicle to a position adjacent to the object, said support member [can] being engage[d]able against and under a near side of the object, said arm member [can] being lower[ed]able to a point where said outer end of said tine[s] structure is spaced outwardly from said support member and contacts a far side of the object[,] and [then] such that said tine mounting member and tine[s] structure therewith can be pivoted such that said outer end of said tine[s] structure appl[y]ies pressure to the far side of the object so that said tine[s] structure and support member together can grasp and lift the object for movement to and placement at a desired location upon further operation of the material handling vehicle without said support member having to extend sufficiently under the object to alone support the object without assistance from said tine structure.

[Please rewrite Claim 13 as follows:]

13. (amended) The apparatus of claim 12 wherein said tine

Q12 structure includes a pair of tines laterally spaced apart from one another and extending in a substantially parallel relationship to one another.

[Please rewrite Claim 17 as follows:

Q13 17. (amended) The apparatus of claim 12 wherein:
 said main frame has opposite lateral sides; and
 said [arm member has a] pair of [interconnected] links of said arm member are disposed in substantially parallel relation to and spaced apart from one another, each of said links having opposite outer and inner ends and being pivotally mounted at said inner end to one of said opposite lateral sides of said main frame at a location closer to said upper end than to said lower end of said main frame.

[Please rewrite Claim 20 as follows:

Q14 20. (amended) The apparatus of claim 12 [further comprising:] wherein said means for attaching said main frame to the material handling vehicle includes a pair of upper and lower coupling members, said lower coupling member being fixedly mounted to said main frame at a location slightly higher than and on an opposite side of said main frame from said support member, said upper coupling member being spaced above said lower coupling member and fixedly mounted to said main frame at a location between and spaced from said lower and upper ends of said main frame, said upper and lower coupling members being adapted for attaching said apparatus to a lift mechanism of the material handling vehicle.

In the Drawings:

In FIGS. 1-6, please add reference numeral -- 47 -- as shown in red on the attached photocopies of the drawing sheets containing these figures.